

STUDIES IN MIMOSACEAE—Part 1.

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ACACIA FLEXIFOLIA A. Cunn. ex Benth., A NEW RECORD FOR VICTORIA

H. B. Williamson in A. J. Ewart *Flor. Vict.* 587 (1931) confounded *A. flexifolia* A. Cunn. ex Benth. in Hook. *Lond. J. Bot.* 1:359 (1842) with *A. lineata* A. Cunn. ex G. Don *Gen. Syst.* 2:403 (1832) although these two species differ very markedly in several important respects. Hitherto, *A. flexifolia* had been recorded as endemic in New South Wales, but now it must be added formally to the Victorian flora on the basis of the collections listed below.

KEY DIFFERENCES BETWEEN THE TWO SPECIES.

A. flexifolia: Narrow greyish-green virgate shrub to 1.5 m. high; branches *glabrous*, with prominent *scaly resinous ridges*; phyllodes quite *glabrous*, more or less linear, broadening towards their apices, usually *bent sharply near their bases*; apices of phyllodes rounded but sometimes with a very small point; peduncles ca. 3 mm. long or less, appearing *farinaceous*; flowers 3–8 (*rarely more*) *per head*, appearing May to October.

A. lineata: Spreading greenish, or sometimes greenish-yellow, shrub to 2 m. high and often as broad; extremities (at least) of branches *pubescent*, *not prominently resinous*; phyllodes usually *pubescent*, more or less simply linear, broader near their centres, usually acute; peduncles ca. 8–10 mm. long (*sometimes more*), usually quite *glabrous* but *never appearing farinaceous*; flowers 10–15 (*rarely less*) *per head*, appearing July to October.

DISTRIBUTION NOTES.

The most westerly record for *A. flexifolia* in Victoria is the Whipstick Scrub near Bendigo and the most easterly locality for *A. lineata* lies about 15 miles to the west at Inglewood. These two species are represented in the National Herbarium of Victoria by the following collections:

A. flexifolia—Whipstick forest near Bendigo, *D. J. Paton*, May, 1918; Bendigo, *C. S. Sutton*, s.n., 12/9/1920; Bendigo, *D. J. Paton*, s.n., October 1922; Central Whipstick near Bendigo, *W. Perry*, s.n., 1946; Central Whipstick Scrub near Bendigo, *W. Perry*, s.n., 27/12/1953; Central Whipstick near Bendigo, *W. Perry*, s.n., 20/11/1955; In hard soil amongst mallee in Whipstick Scrub ca. 8 km. (5 miles) north from Huntly near Bendigo, *A. B. Court*, n. 941, November 4, 1958; Earlston via Violet Town, *R. A. Black*, s.n., 13/9/1944; Forest Sanctuary Reserve, Reef Hill, about 1 mile south of Benalla, *H. C. E. Stewart*, s.n., 15/6/1959.

A. lineata—Mallee District, N. W. Vict., *St. Eloy D'Alton*, s.n., October, 1899; Kurting, N. W. Victoria, *A. Purdie*, s.n., 1894; North Western Desert of Victoria, *L. Morton*, s.n., s.d.; 15 Miles from Nhill in the direction of Lake Hindmarsh, *St. Eloy D'Alton*, s.n., June, 1892; Nhill, *St. Eloy D'Alton*, s.n., 31/3/1897; In sandy soil beside Lillimur-AMP road ca. 25 km. (15 miles) north from Lillimur North, *A. B. Court*, n. 1310, October 14, 1958.